

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application. Please amend claims 1-2, 4-5, 8-9, 12, 15, 18, 22, and 25. Applicant respectfully reserves the right to prosecute any originally presented claims in a continuing or future application.

1. (Currently Amended) A computer based system for automatically maintaining at least one deployment descriptor, comprising at least one computer and:

a parser ~~capable of generating~~ operable to generate a representation of the at least one deployment descriptor;

a generator ~~capable of creating~~ operable to create the at least one deployment descriptor;

a validator ~~capable of validating~~ operable to validate the at least one deployment descriptor;

a graphical user interface (GUI) ~~capable of~~ operable to at least ~~invoking~~ invoke the parser;

wherein the GUI can include a user-selectable resource hierarchy, settings pane, message area, and toolbar;

wherein the system is ~~capable of~~ operable to automatically ~~repairing~~ generate a replacement deployment descriptor based on at least one application source code file associated with a first deployment descriptor of the at least one deployment descriptor if the ~~first~~ at least one deployment descriptor is defective; and

wherein the system is ~~capable of~~ operable to automatically ~~deploying~~ deploy an application associated with the at least one deployment descriptor.

2. (Currently Amended) The computer based system of claim 1 wherein:

the validator is ~~capable of~~ further operable to

generating generate an error when it encounters a syntactic or semantic fault in the at least one deployment descriptor, ~~and~~

using use the GUI to display a selectable error message to a user, ~~and~~

select a node corresponding to the selectable error message in response to a user's selection of the selectable error message, ~~the system can navigate the GUI to the source of the error corresponding to the selectable error message. and~~

cause fields of the node to be displayed by the GUI.

3. (Canceled)
4. (Currently Amended) The computer based system of claim 1 wherein:
the generator is ~~capable of producing~~ further operable to produce the at least one deployment descriptor from at least one application source code file.
5. (Currently Amended) The computer based system of claim 1, further comprising:
a builder component ~~capable of~~ operable to automatically updating update the at least one deployment descriptor to reflect one or more changes in at least one application source code file.
6. (Previously Presented) The computer based system of claim 1 wherein:
the representation can include information pertaining to at least one of: a Java™ archive (JAR), a Web Archive (WAR), an Enterprise Archive (EAR), and a Java™ Connector Architecture Component (RAR).
7. (Previously Presented) The computer based system of claim 1 wherein:
the at least one deployment descriptor can be expressed as an Extensible Markup Language document.
8. (Currently Amended) A computer based system for automatically maintaining at least one deployment descriptor, comprising at least one computer and:
a parser ~~capable of generating~~ operable to generate a first representation of the at least one deployment descriptor based on the deployment descriptor's file;
a generator ~~capable of creating~~ operable to create a second representation of the at least one deployment descriptor based on ~~one or more source files~~ at least one application source code file associated with the at least one deployment descriptor;
a builder ~~capable of comparing~~ operable to compare the first representation with the second representation;
wherein the builder is ~~capable of updating~~ further operable to update the first representation to create an updated first representation based on the second representation if the at least one application source code file of the ~~first~~ second representation is modified;

wherein the system is ~~capable of operable to~~ automatically ~~repairing generate a replacement deployment descriptor based on the at least one application source code file a first deployment descriptor of the at least one deployment descriptor~~ if the first at least one deployment descriptor is defective; and

wherein the system is operable to generate ~~generating~~ new deployment descriptors from the updated first representation.

9. (Currently Amended) The computer based system of claim 8 wherein:
the generator is ~~capable of producing operable to produce~~ the at least one deployment descriptor from the at least one application source code file.
10. (Previously Presented) The computer based system of claim 8 wherein:
a representation can include information pertaining to at least one of: a Java™ archive (JAR), a Web Archive (WAR), an Enterprise Archive (EAR), and a Java™ Connector Architecture Component (RAR).
11. (Previously Presented) The computer based system of claim 8 wherein:
the at least one deployment descriptor can be expressed as an Extensible Markup Language document.
12. (Currently Amended) The computer based system of claim 8 wherein:
~~modules are~~ information is not deleted from the first representation after the first representation is updated.
13. (Previously Presented) The computer based system of claim 8 wherein:
information in the second representation that is not in the first representation is added to the first representation.
14. (Previously Presented) The computer based system of claim 8 wherein:
a user can modify information in the second representation.

15. (Currently Amended) A method for updating at least one deployment descriptor, comprising:

creating a first representation of the at least one deployment descriptor based on the deployment descriptor's file;

creating a second representation of a second at least one deployment descriptor based on one or more source files at least one application source code file associated with the at least one deployment descriptor;

comparing the first representation with the second representation; and

updating the first representation to create an updated first representation based on the second representation if the at least one application source code file of the first second representation is modified; and

generating new deployment descriptors from the updated first representation.

16. (Original) The method of claim 15 wherein:

the at least one deployment descriptor can include information pertaining to at least one of: a Java™ archive (JAR), a Web Archive (WAR), an Enterprise Archive (EAR), and a Java™ Connector Architecture Component (RAR).

17. (Original) The method of claim 15 wherein:

the at least one deployment descriptor can be expressed as an Extensible Markup Language document.

18. (Currently Amended) The method of claim 15 wherein:

~~modules are~~ information is not deleted from the first representation after the first representation is updated.

19. (Original) The method of claim 15 wherein:

information in the second representation that is not in the first representation is added to the first representation.

20. (Previously Presented) The method of claim 15 wherein:
a user can modify information in the second representation.
21. (Canceled)
22. (Currently Amended) A machine readable medium having instructions stored thereon that when executed by a processor cause a system to:
create a first representation of the at least one deployment descriptor based on the deployment descriptor's file;
create a second representation of a second at least one deployment descriptor based on ~~one or more source files~~ at least one application source code file;
compare the first representation with the second representation;
update the first representation to create an updated first representation based on the second representation if the at least one application source code file of the ~~first~~ second representation is modified; and
generating new deployment descriptors from the updated first representation.
23. (Original) The machine readable medium of claim 22 wherein:
the at least one deployment descriptor can include information pertaining to at least one of: a Java™ archive (JAR), a Web Archive (WAR), an Enterprise Archive (EAR), and a Java™ Connector Architecture Component (RAR).
24. (Original) The machine readable medium of claim 22 wherein:
the at least one deployment descriptor can be expressed as an Extensible Markup Language document.
25. (Currently Amended) The machine readable medium of claim 22 wherein:
~~modules are~~ information is not deleted from the first representation after the first representation is updated.

26. (Original) The machine readable medium of claim 22 wherein:
information in the second representation that is not in the first representation is added to the
first representation.
27. (Previously Presented) The machine readable medium of claim 22 wherein:
a user can modify information in the second representation.
28. (Canceled)